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	Application No.	Applicant(s)	
A 6 A	10/564,387	KUIPER ET AL.	
Notice of Allowability	Examiner	Art Unit	
	William C. Choi	2873	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS
1. $\boxtimes$ This communication is responsive to <u>preliminary amendment</u>	nt filed 1/12/2006.		
2. The allowed claim(s) is/are <u>1-17</u> .			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority uner a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	been received.		
Copies of the certified copies of the priority documents			tion from the
International Bureau (PCT Rule 17.2(a)).	saments have been reserved in this	national stage applica	don nom the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the red	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER reason(s) why the oath or declara	'S AMENDMENT or N tion is deficient.	OTICE OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached			
1)  hereto or 2)  to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawing header according to 37 CFR 1.121(	ngs in the front (not the	back) of
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL r	nust be submitted. N	Note the
<ul> <li>Attachment(s)</li> <li>1. ☑ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☑ Information Disclosure Statements (PTO/SB/08),</li></ul>	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendr 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	wance

All claims pending thus being allowable, prosecution on the merits is closed in this application. A statement of the examiner's reasons for allowance is provided in the paragraphs, which follow below.

## **REASONS FOR ALLOWANCE**

Claims 1-17 are allowed.

The instant application is deemed to be directed to a nonobvious improvement over the invention of Aizenberg et al (U.S. 6,891,682 B2), as being a representative example in the art to which the instant invention pertains. In particular, said improvement provides a relatively large diameter variable lens that is relatively thin and insensitive to movement and vibrations, while still having a relative rapid response time.

More specifically, independent claim 1 is drawn to a variable lens comprising a plurality of annuli located around an optical axis, each annulus having respective side walls defining a chamber containing first and second substantially immiscible fluids in contact over a meniscus as claimed, specifically wherein said fluids have different refractive indices and at least one of the annuli comprises at least one electrode for altering the configuration of the meniscus (Claim 1, lines 7-10).

Similarly, independent claim 12 is drawn to a device comprising a variable lens comprising a plurality of annuli located around an optical axis, each annulus having respective side walls defining a chamber containing first and second substantially immiscible fluids in contact over a meniscus as claimed, specifically wherein said fluids

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have different refractive indices and at least one of the annuli comprises at least one electrode for altering the configuration of the meniscus (Claim 12, lines 8-10).

Independent claim 16 is drawn to a method of manufacturing a variable lens comprising: providing a plurality of annuli located around an optical axis, each annulus having respective side walls defining a chamber; filling the chamber with substantially immiscible first and second fluids in contact over a meniscus as claimed, specifically wherein the fluids have different refractive indices and further providing at least one of the annuli with at least one electrode for altering the configuration of the meniscus (Claim 16, lines 8-11).

Finally, independent claim 17 is drawn to a method of manufacturing a device comprising a variable lens comprising: providing a plurality of annuli located around an optical axis, each annulus having respective side walls defining a chamber; filling the chamber with substantially immiscible first and second fluids in contact over a meniscus as claimed, specifically wherein the fluids have different refractive indices and further providing at least one of the annuli with at least one electrode for altering the configuration of the meniscus (Claim 17, lines 8-10).

The prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of applicant's independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The claimed invention is therefore considered to be in condition for allowance as being novel and nonobvious over prior art.

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## OTHER REMARKS/INFORMATION

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (571) 272-2324. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

(,, , ⊂ William Choi Patent Examiner Art Unit 2873 March 1, 2007

